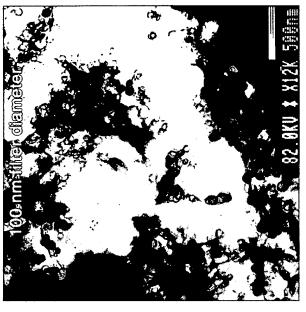


Fig. 1



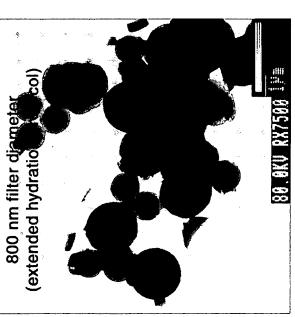
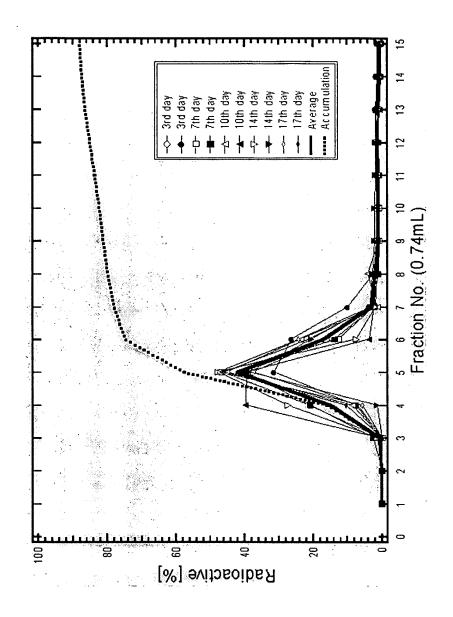


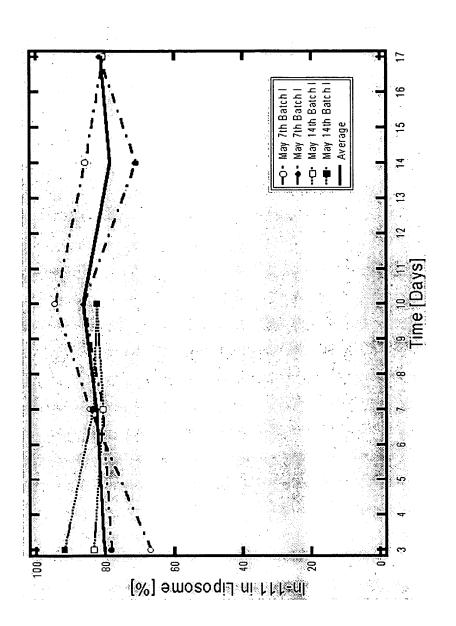
Fig. 2B

Fig. 2A









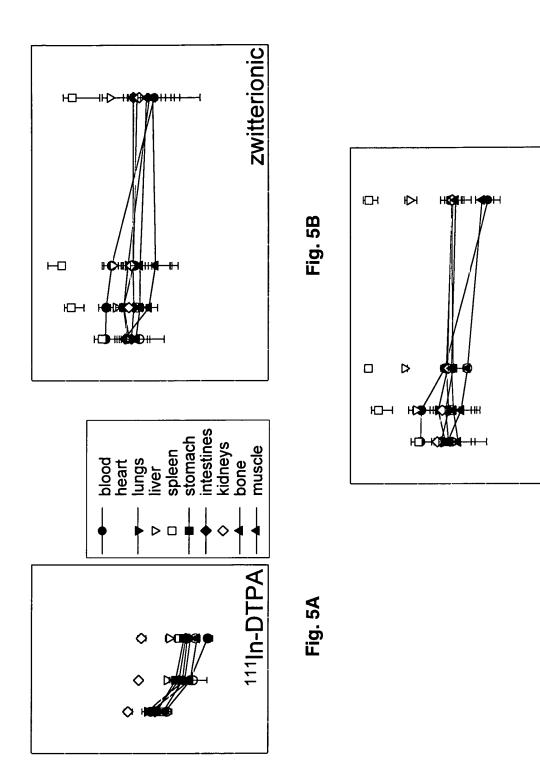
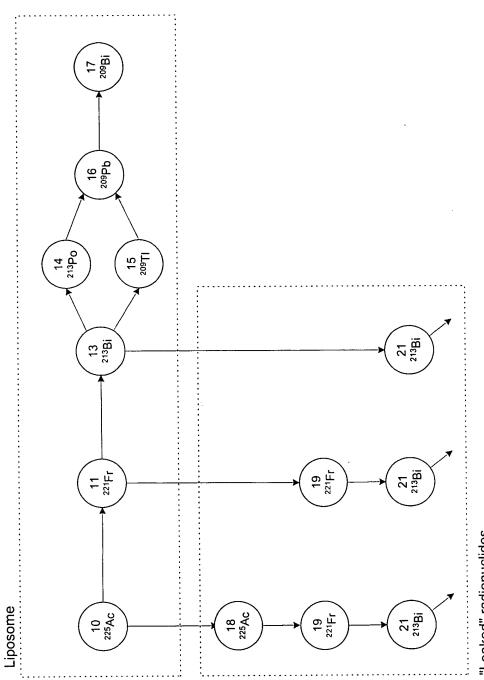


Fig. 5C

cationic



"Leaked" radionuclides

No loss of daughters

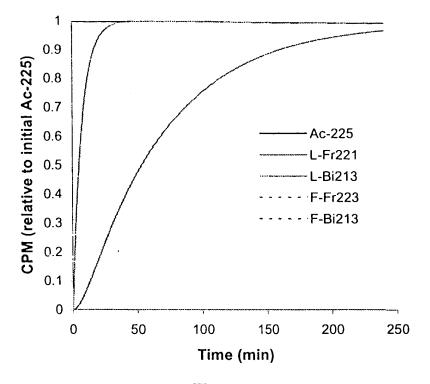


Fig. 7A
loss half-life = 15 min

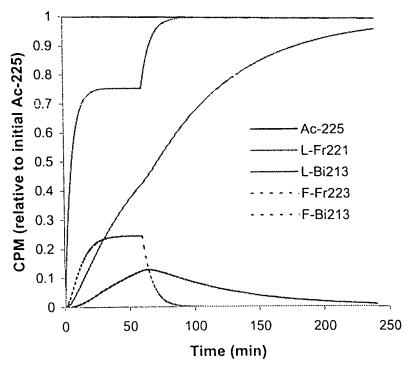


Fig. 7B

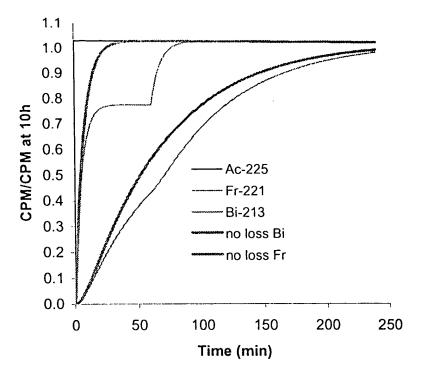


Fig. 8A

Loss Half-life = 30 min

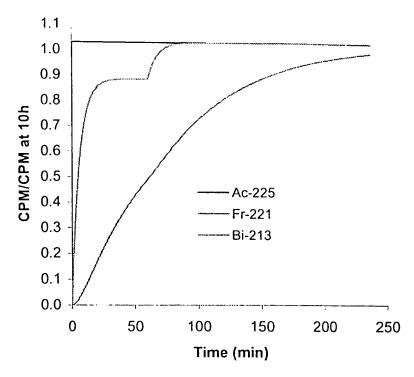


Fig. 8B

Loss Half-life = 60 min

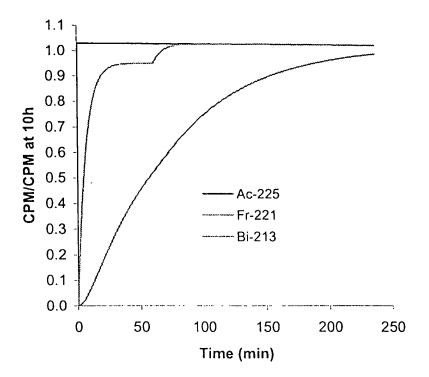


Fig. 8C
Loss Half-life = 180 min

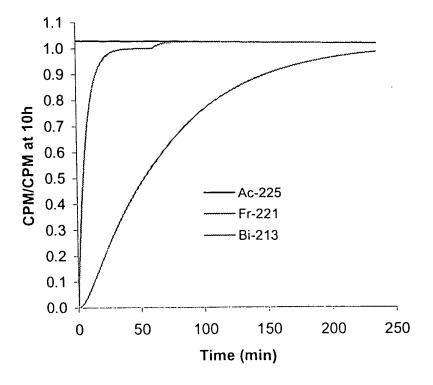


Fig. 8D

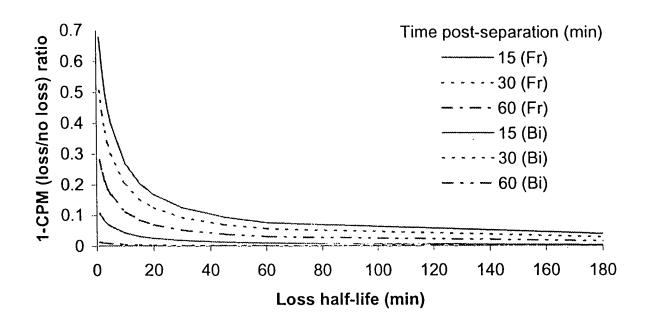


Fig. 9A

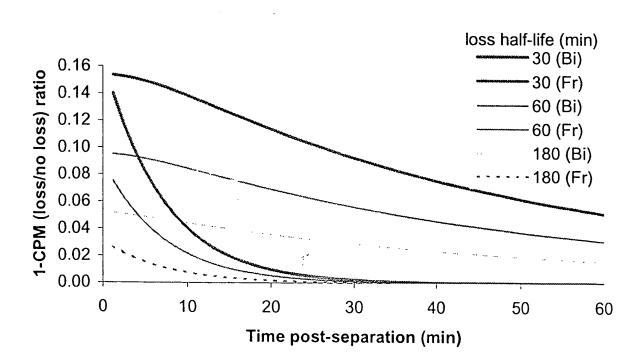
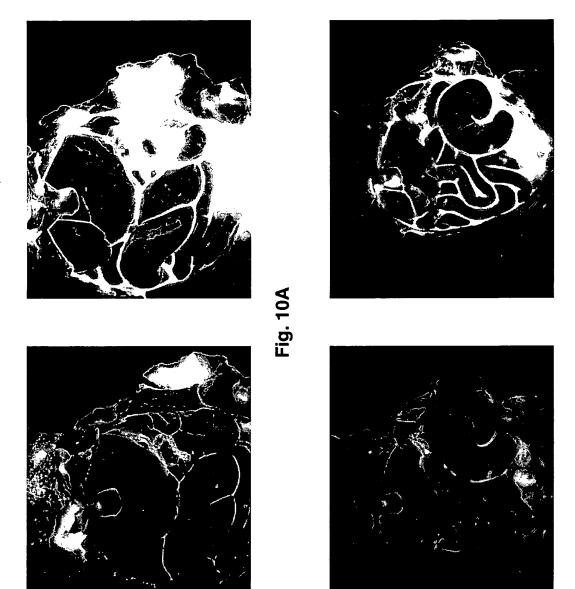


Fig. 9B



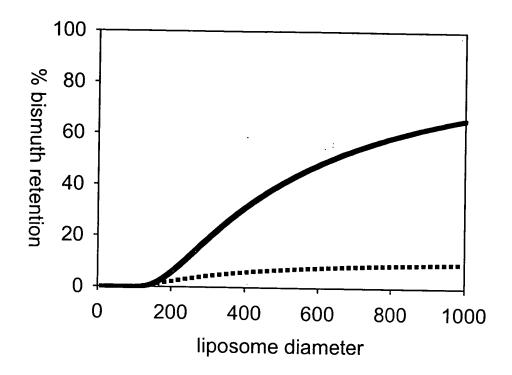


Fig. 11

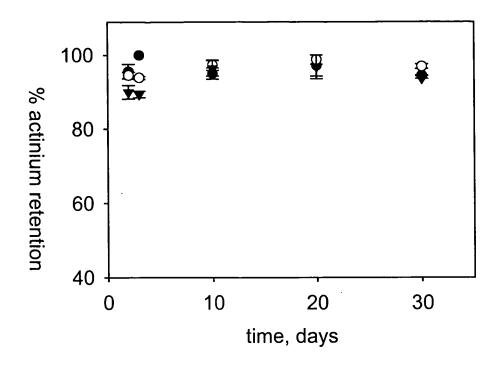


Fig. 12A

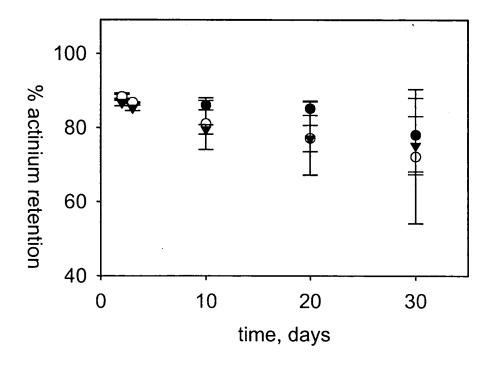


Fig. 12B

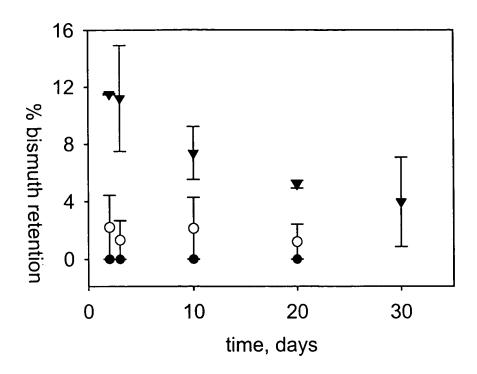


Fig. 13A

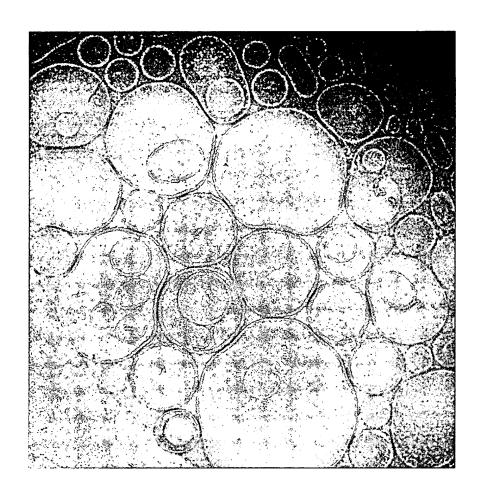
% bismuth-213 retention

16
- 14
- 12
- 10
- 8
- 6
- 4
- 2
- 0

Fig. 13B

time, days

Fig. 14A



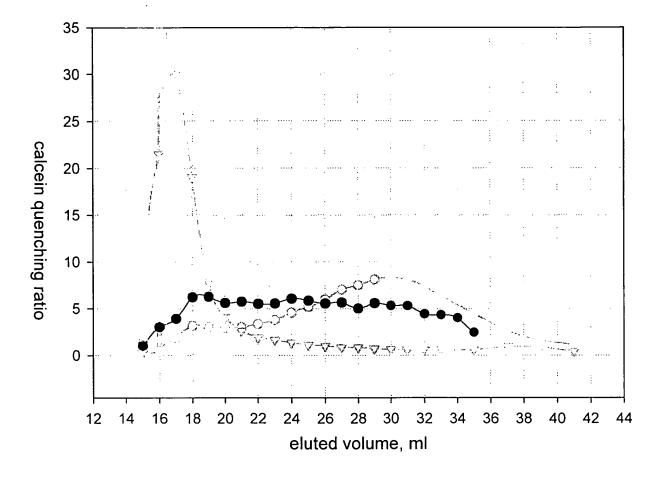


Fig. 15A

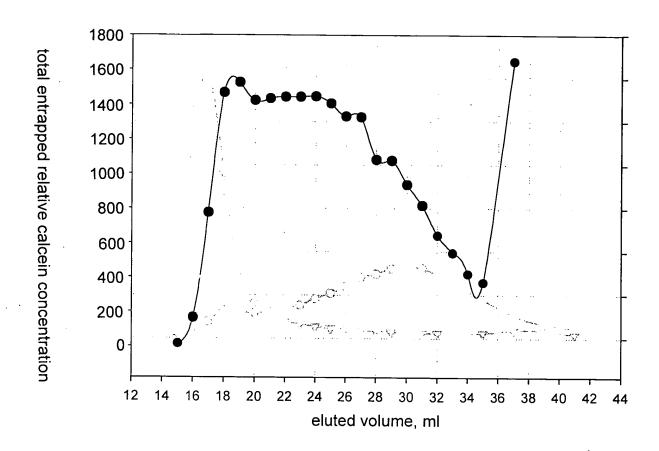


Fig. 15B

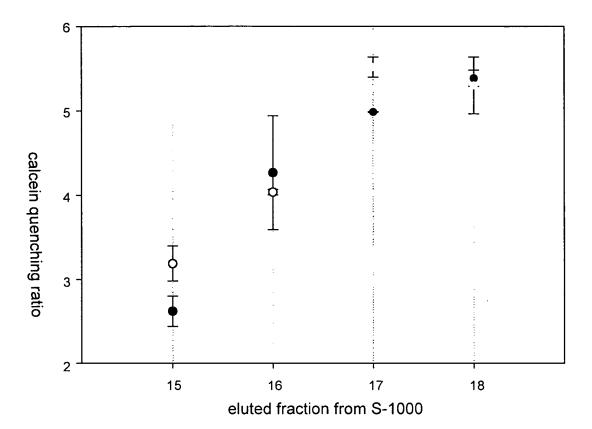


Fig. 16

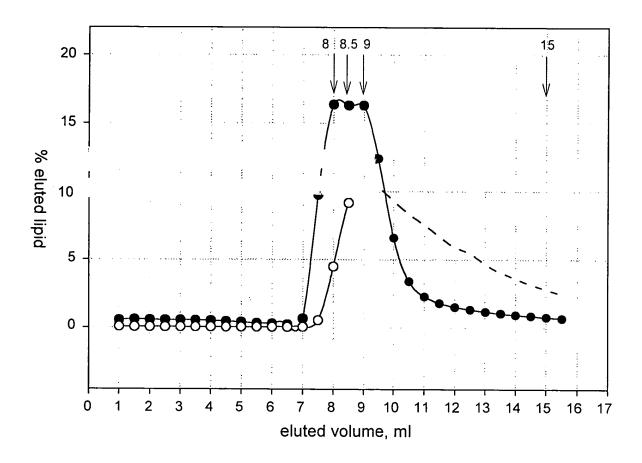


Fig. 17

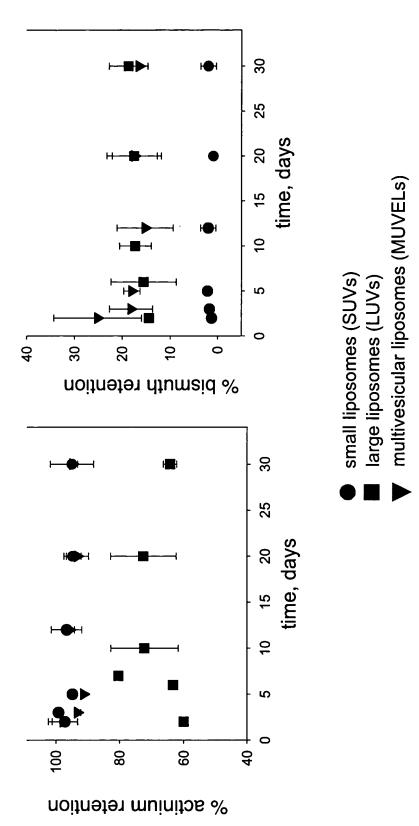


Fig. 18A

Fig. 18B

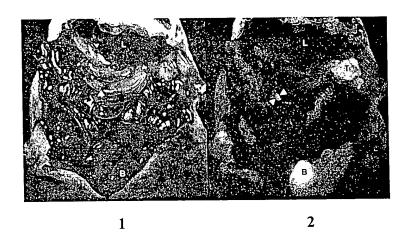


Fig. 19